

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY

LOCATION.--Lat 42°27'57", long 74°27'45", Schoharie County, Hydrologic Unit 02020005, on left bank 2,300 ft upstream from West Kill, and 1.2 mi upstream from bridge on State Highway 30 in North Blenheim.

DRAINAGE AREA.--358 mi².

PERIOD OF RECORD.--October 1970 to current year (January 20 to September 30, 1996, discharges only for days of mean flow less than or equal to 400 ft³/s). Occasional measurements, water years 1969-70.

REVISED RECORDS.--WDR NY-87-1: 1984(M). WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 800 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1971, at datum 1.00 ft higher.

REMARKS.--Records fair. Regulation of flow by Blenheim-Gilboa Pumped Storage Project immediately upstream from gage. Entire flow, runoff from 315 mi², except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. From January 19, 1996, through September 30, 1998, if flow was greater than about 400 ft³/s, undetermined amounts of flow bypassed the gage. From October 1, 1998, through September 30, 2000, if flow was greater than about 2,000 ft³/s, undetermined amounts of flow bypassed the gage. Since October 1, 2000, if flow is greater than about 5,000 ft³/s, undetermined amounts of flow bypass the gage. Since October 1996, records for periods when flows bypass the gage are furnished by the New York Power Authority. Satellite gage-height telemeter at station.

COOPERATION.--Records of flow greater than 5,000 ft³/s provided by the New York Power Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 75,600 ft³/s, Jan. 19, 1996, gage height, 17.16 ft, outside gage height was 17.61 ft, from floodmark, from rating curve extended above 12,000 ft³/s on basis of computation of peak flow through radial gates at gage heights 13.34 ft, 14.72 ft, and 16.70 ft from floodmarks; minimum, no flow, Oct. 12, 15, Oct. 16 to Nov. 1, Nov. 2, 1972, Sept. 12, 13, 14, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,400 ft³/s, Sept. 18, from New York Power Authority, gage height, 12.27 ft, outside gage height was 12.53 ft, from crest-stage gage; minimum discharge, 6.5 ft³/s, July 4, Sept. 5, 6, gage height, 0.92 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,390	1,650	1,360	934	70	27	1,920	747	765	53	36	146
2	929	1,300	1,070	852	30	145	5,060	753	756	8.3	29	65
3	720	1,150	801	930	44	933	2,270	972	713	7.6	31	15
4	535	918	750	1,210	52	1,170	1,590	869	472	7.0	30	7.4
5	685	823	696	1,230	91	1,470	1,310	831	111	8.1	37	6.7
6	728	919	694	1,020	71	3,510	985	681	36	8.1	25	7.1
7	602	717	644	670	48	2,640	879	626	253	8.1	24	8.4
8	573	665	587	584	47	1,620	798	584	351	8.4	11	9.0
9	395	547	511	545	97	1,190	713	518	365	36	9.2	694
10	381	534	564	407	54	902	645	530	489	9.1	8.1	2,200
11	362	530	7,060	370	33	914	547	527	100	8.0	8.5	763
12	273	455	5,480	515	e64	936	585	507	29	7.6	21	496
13	232	496	2,390	537	35	711	1,090	478	13	7.5	211	399
14	251	481	1,530	403	20	605	1,850	510	9.4	8.7	251	320
15	987	381	1,370	289	18	633	1,280	414	9.8	11	889	272
16	706	321	1,130	275	25	617	1,080	441	10	15	2,770	211
17	511	400	1,570	175	50	517	776	409	11	15	2,130	226
18	430	355	2,310	265	28	493	812	371	11	13	1,110	15,500
19	393	595	1,400	215	22	429	1,020	425	10	11	797	6,850
20	464	7,470	1,120	252	21	362	870	351	8.9	46	677	3,550
21	410	4,010	890	179	19	624	685	318	8.4	26	1,230	1,760
22	430	1,760	852	128	12	476	634	307	8.6	23	1,010	1,040
23	329	1,420	920	189	10	350	888	340	9.1	24	731	788
24	343	1,210	5,290	118	9.7	490	1,050	499	9.1	23	549	604
25	277	1,260	7,880	82	10	623	825	1,080	8.1	22	400	565
26	270	978	5,010	87	12	850	1,550	1,030	9.0	14	253	554
27	4,010	824	2,360	141	15	1,450	1,520	2,260	7.2	222	179	513
28	6,700	943	1,500	77	14	1,550	1,130	1,240	9.6	447	121	1,400
29	7,960	3,610	1,230	97	37	1,340	890	875	57	105	109	2,810
30	4,780	1,850	1,230	92	---	1,130	835	699	122	69	91	1,480
31	2,500	---	1,080	70	---	1,040	---	552	---	94	88	---
TOTAL	39,556	38,572	61,279	12,938	1,058.7	29,747	36,087	20,744	4,771.2	1,365.5	13,865.8	43,259.6
MEAN	1,276	1,286	1,977	417	36.5	960	1,203	669	159	44.0	447	1,442
MAX	7,960	7,470	7,880	1,230	97	3,510	5,060	2,260	765	447	2,770	15,500
MIN	232	321	511	70	9.7	27	547	307	7.2	7.0	8.1	6.7

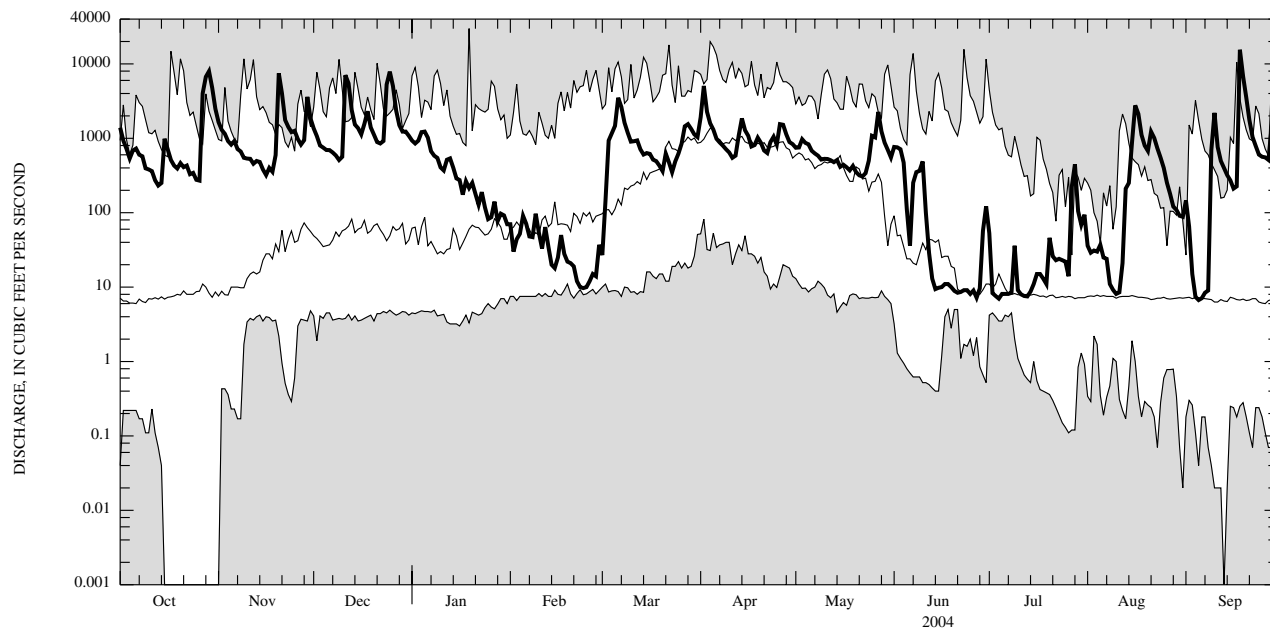
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2004, BY WATER YEAR (WY)

MEAN	204	307	397	332	331	887	1,332	668	299	61.2	36.1	120
MAX	1,474	1,511	1,977	1,610	1,468	2,532	3,685	1,599	1,561	452	447	1,442
(WY)	(1978)	(1978)	(2004)	(1979)	(1976)	(1979)	(1987)	(1984)	(1972)	(1973)	(2004)	(2004)
MIN	0.15	3.85	4.35	5.23	15.5	47.6	42.9	16.8	8.26	6.83	1.53	0.25
(WY)	(1973)	(1999)	(1999)	(2002)	(1987)	(1989)	(1981)	(1995)	(1999)	(1977)	(1973)	(1973)

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1971 - 2004	
ANNUAL TOTAL	327,623.4		303,243.8		412	
ANNUAL MEAN	898		829		834	
HIGHEST ANNUAL MEAN					21.7	
LOWEST ANNUAL MEAN					29,900	
HIGHEST DAILY MEAN	7,960	Oct 29	15,500	Sep 18		Jan 19, 1996
LOWEST DAILY MEAN	6.2	Jul 31	6.7	Sep 5		Oct 15, 1972
ANNUAL SEVEN-DAY MINIMUM	7.7	Jul 25	7.9	Jul 2		Oct 15, 1972
10 PERCENT EXCEEDS	2,250		1,580		1,130	
50 PERCENT EXCEEDS	487		503		32	
90 PERCENT EXCEEDS	27		11		5.0	

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
 ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.